Climate Change and Human Health Literature Portal

National Institute of Environmental Health Sciences

Ensembles and probabilities: A new era in the prediction of climate change

Author(s):	Collins M
Year:	2007
Journal:	Philosophical Transactions. Series A, Mathematical, Physical, and Engineering Sciences. 365 (1857): 1957-1970

Abstract:

Predictions of future climate are of central importance in determining actions to adapt to the impacts of climate change and in formulating targets to reduce emissions of greenhouse gases. In the absence of analogues of the future, physically based numerical climate models must be used to make predictions. New approaches are under development to deal with a number of sources of uncertainty that arise in the prediction process. This paper introduces some of the concepts and issues in these new approaches, which are discussed in more detail in the papers contained in this issue.

Source:

Resource Description

Exposure : ⊠

weather or climate related pathway by which climate change affects health

 Unspecified Exposure

Geographic Feature: ⊠

resource focuses on specific type of geography

 None or Unspecified

Geographic Location: ⊠

resource focuses on specific location

 Global or Unspecified

Health Impact: ⊠

specification of health effect or disease related to climate change exposure

 Health Outcome Unspecified

Model/Methodology: ⊠

type of model used or methodology development is a focus of resource

 Methodology

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Resource Type: ⊠

format or standard characteristic of resource

 Research Article

Timescale: ⊠

time period studied

 Time Scale Unspecified